

Memorandum March 7, 2001, Item 23**Date :** March 1, 2001**Telephone:** (916) 653-1227**File:**

To : William J. Keese
Michal C. Moore
Robert A. Laurie
Robert Pernell
Art Rosenfeld

From : California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Subject : RIO LINDA/ELVERTA POWER PROJECT DATA ADEQUACY RECOMMENDATION

On February 2, 2001, FPL Energy Sacramento Power, LLC filed an Application for Certification (AFC) seeking approval from the California Energy Commission to construct and operate the Rio Linda/Elverta Power Project (RLEPP) in the community of Rio Linda with a natural gas-fired combined cycle electric generation facility¹. Based on staff's analysis at this time, the AFC does not meet the requirements of Cal. Code of Regs., tit. 20, § 1704, Appendix B, for the 12-month AFC. We, therefore, recommend that the Energy Commission find the AFC inadequate and adopt the enclosed list of deficiencies.

Upon review, staff has identified data inadequacies in the following areas: Air Quality, Biological Resources, Cultural Resources, Geological Hazards, Noise, Paleontological Resources, Power Plant Reliability, Project Overview, Socioeconomics, Soil Resources, Traffic & Transportation, Transmission System Engineering, Visual Resources, and Water Resources.

As proposed, the Rio Linda/Elverta Power Project is a nominal 560-megawatt (MW), natural gas-fired combined cycle power plant. The applicant's proposed location on a 90-acre site approximately 7 miles east of the Sacramento International Airport.

Water for the proposed plant will be provided by Rio Linda/Elverta Community Water District (RLECWD) under a conditional will-serve letter. This will require new wells and new piping of water to the proposed site. The project will incorporate a zero liquid discharge system designed to eliminate off-site disposal of wastewater.

The transmission line loop from the site switchyard to the the existing Western Area Power Administration (Western) Elverta-Hurley 230 kV lines is approximately 800 feet. The project will also require reconductoring and replacing transmission towers on a 3.4 mile section of the Hedge-Proctor transmission line in Southern Sacramento County.

¹ (The Commission previously approved the Sacramento Ethanol and Power Cogeneration Project (SEPCO) that was planned to be developed on this site.)

March 2, 2001

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Natural gas will be supplied to the project via a new pipeline of approximately 20.1 miles long. The connecting pipeline will be 16 to 20 inches in diameter, will be run westward to the community of Yolo, and will be owned and operated by the Pacific Gas & Electric Company (PG&E).

A new 24-foot wide paved road (plus 4-foot shoulders) extending Sorento Road to the power plant site will be required. The length of the new road will be about 3,600 feet. The project is estimated to have a capital cost of between \$360 - 380 million. The applicant plans to complete construction and start operation of the combined-cycle unit in 2004.

Staff and Western are developing a Memorandum of Understanding (MOU) to conduct a joint California Environmental Quality Act/National Environmental Protection Act process. This process will be similar to the joint process conducted for the Blythe Energy Project.

If you have any questions, please call Lance Shaw, staff's Project Manager, at (916) 653-1227.

Steve Larson
Executive Director

Attachments

ATTACHMENT A
OVERVIEW OF ENERGY COMMISSION STAFF'S
DATA ADEQUACY DETERMINATION
Rio Linda/Elverta Power Project
01-AFC-1

TECHNICAL AREA	ATTACHMENT PAGE NO.	ADEQUATE?
Air Quality	1	No
Alternatives	7	Yes
Biological Resources	8	No
Cultural Resources	12	No
Facility Design	16	Yes
Geological Hazards	19	No
Hazardous Materials Handling	21	Yes
Land Use	23	Yes
Noise	26	No
Paleontological Resources	29	No
Efficiency	32	Yes
Reliability	34	No
Project Overview	36	No
Public Health	39	Yes
Socioeconomics	41	No
Soils	44	No
Traffic and Transportation	46	No
T-Line Safety and Nuisance.	49	Yes
Transmission System Eng.	52	No
Visual Resources	55	No
Waste Management	58	Yes
Water Resources	61	No
Worker Safety	66	Yes

ATTACHMENT B

**ENERGY COMMISSION STAFF'S
List of Data Inadequacies**

**Rio Linda/Elverta Power Project
01-AFC-1**

March 2, 2001

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date February 16, 2001

Technical Area: Air Quality

Project: Rio Linda/Elverta Power Project

Technical Staff: Matt Layton

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§ 5.2.2, p 5.2-11 to 5.2-23 § 5.2.4, p 5.2-33 to 5.2-66 § 5.2.4, p 5.2-33 to 5.2-66 Appendix K Feb. 2, 2001 ERC info (Confidential Cover)	Yes	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	§ 3.0, p. 3-1 to 3-83 § 5.2 Appendix K	No	A permit application was filed with the District Feb. 5, 2001, they have 30 days to determine completeness.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Table 3.4-8, p. 3-24 § 3.4.2, p. 3-5 § 3.5.2, p. 3-41 § 3.8, p. 3-65 § 5.2 Appendix K	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	§ 3.4.9, p 3-33 to 3-36 § 5.2 Appendix K	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	§ 3.4.3.4, p. 3-20 § 3.4.7.1, p. 3-31 Table 5.2-25, p. 5.2.40 Appendix K-4	Yes	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	§ 5.2 Appendix K-4	Yes	
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	§ 3.8, p. 3-65 § 5.2.4.2. p. 5.2-34 to 5.2-41 Appendix K-4	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date February 16, 2001

Technical Area: **Air Quality**

Project: Rio Linda/Elverta Power Project

Technical Staff: Matt Layton

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	§ 5.2.2.2, p. 5.2-19 to 5.2-23 Appendix K-2	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	§ 5.2.4.3, p. 5.2-41 to 5.2-48 Appendix K-2	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	N/A	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	§ 5.2.2.1, p. 5.2-12 to 5.2-18 Appendix K-2	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:	----	----	

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date February 16, 2001

Technical Area: Air Quality

Project: Rio Linda/Elverta Power Project

Technical Staff: Matt Layton

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	§ 5.2.4.1 § 5.2.4.1, p. 5.2-41 to 5.2-48 Section 5.2.4, p Appendix K	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	§ 5.2.4.2 § 5.2.4.3, p. 5.2-41 to 5.2-48 Appendix K	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	§ 5.2.4.6, p. 5.2-65	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:	----	----	
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	§ 5.2.5, p. 5.2-66	Yes	

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date February 16, 2001

Technical Area: Air Quality

Project: Rio Linda/Elverta Power Project

Technical Staff: Matt Layton

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	§ 5.2 Appendix K Feb. 2, 2001 ERC info (Confidential Cover)	Yes	
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	§ 5.2 Appendix K Feb. 2, 2001 ERC info (Confidential Cover)	Yes	
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Figure 5.2.3, P. 5.2-13	No	Provide a topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.2-38, p. 5.2-68 Table 6.1-1, p. 5 to 7	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.2-38, p. 5.2-68 Table 6.1-1, p. 5 to 7	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 5.2-38, p. 5.2-68 Table 6.1-1, p. 5 to 7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.2-39, p. 5.2-70	Yes	

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date February 16, 2001

Technical Area: Air Quality

Project: Rio Linda/Elverta Power Project

Technical Staff: Matt Layton

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§ 5.2.Table 5.2-38, p. 5.2-68	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Alternatives**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date 27 February, 2001
 Technical Staff: Lance Shaw
 Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Section 3.10	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Section 3.10	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Section 3.10	Yes	

Adequacy Issue: Adequate Inadequate X
 Technical Area: Biological Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 26, 2001
 Technical Staff: Rick York
 Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing site conditions: Sec. 5.3.1, pg. 5.3.1 Project impacts: Sec. 5.3.3, pgs. 5.3-14 to 5.3-29 & Sec. 5.3.4, pgs. 5.3-30 to 5.3-36 Mitigation measures: Sec. 5.3.5, pg. 5.3-36 Monitoring plans: Sec. 5.3.5, pgs. 5.3-36 to 5.3-38	Yes No Yes Yes	Please provide an analysis of the sensitive biological resources associated with the proposed water supply pipeline route(s).
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional overview: Sec. 5.3.1, pg. 5.3.1 Sensitive species map(s), 1:100,000 scale: Figure 5.3-1	Yes No	Please provide an updated map that identifies the water supply pipeline route(s) and associated sensitive biological resources.
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, den or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	1:6,000 scale map(s): Appendix J-6 List of species seen and likely to occur: Sec. 5.5.3, pgs. 5.3-14 to 5.3-29	No Yes	Please provide updated maps that identify the water supply pipeline route(s) and associated sensitive biological resources.

Adequacy Issue: Adequate Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date February 26, 2001

Technical Area: Biological Resources

Project: Rio Linda/Elverta Power Project

Technical Staff: Rick York

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Studies and surveys: Appendix J-1 and Sec. 5.3.2, pgs 5.3.3 to 5.3.13 CNDDDB field forms: Appendices J-3 & J-5 Names and qualifications of those completing studies: Appendix J-2	Yes Yes Yes	Applicant completing field surveys during March/April 2001 field season.
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Impacts: Sec. 5.3.4, pgs. 5.3-30 to 5.3-36 Cooling tower drift: Sec. 5.3.4.3, pgs. 5.3-35, 36	No Yes	Please provide an analysis of the anticipated biological resource impacts associated with construction of water supply pipelines.
Appendix B (g) (13) (E)	A discussion of the following:	--	--	--
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Mitigation measures: Sec. 5.3.5, pgs. 5.3-36 to 5.3-38	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Mitigation measures including off-site compensation: Sec. 5.3.5, pgs. 5.3-36 to 5.3-38	Yes	
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Employee awareness training: Sec. 5.3.5, pgs. 5.3-36	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Biological Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 26, 2001
 Technical Staff: Rick York
 Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Mitigation monitoring and compliance program: Sec. 5.3.5, pgs. 5.3-36 to 5.3-38	Yes	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Native fish & wildlife of commercial and/or recreational value: Sec. 5.3.3.3, pgs. 5.3-27 to 5.3-30	Yes	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:	--	--	--
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	State/federally listed species: Sec. 5.3.2.4, pgs. 5.3-5 to 5.3-14	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Title 20 resources: Sec. 5.3.2.4, pgs. 5.3-5 to 5.3-14	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Listed species: Sec. 5.3.2.4, pgs. 5.3-5 to 5.3-14 and Sec. 5.3.3.2, pgs. 5.3-20 to 5.3-27	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS table: Table 6.1-1, pgs. 7 & 8, Sec. 5.3.8, pgs. 5.3-39 to 5.3-41	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Agency permits: Table 6.1-1, pgs. 7 & 8, Table 5.3-13, pg. 5.3-41, Sec. 5.3.8, pg. 5.3-39 to 5.3-41, and Table 5.3-14, pg. 5.3-41	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Biological Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 26, 2001
 Technical Staff: Rick York
 Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	LORS compliance discussion: Table 6.1-1, pgs. 7 & 8	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Agency contacts: Table 5.3-13, pg. 5.3-41	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Permits schedule: Table 5.3-13, pg. 5.3-41	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Cultural Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. _____ Date 02/20/01
 Technical Staff: Gary Reinoehl
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.16.1 Section 5.16.2 Section 5.16.3 Section 5.16.4 Section 5.16.5	No	One National Register eligible property (Reclamation District 1000) that is within the Area of Potential Effect (APE) was not discussed in the text, and other cultural resources (Southern Pacific railway, the Natomas East Main drainage canal, the Elverta canal system, the Tule Canal, and the Vaca Valley Railroad) were not sufficiently evaluated so impacts could not be determined.
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	Section 5.16.1	No	The background history did not include information on the development of the towns (Yolo, Elverta, Rio Linda, and Sacramento) adjacent to or within the APE, on the development of Reclamation District 1000 or other reclamation/irrigation systems within the APE, on the railways within the APE, or on the development of electrical transmission within and adjacent to the APE. Please complete the history background.

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Cultural Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. _____ Date 02/20/01
 Technical Staff: Gary Reinoehl
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	Section 5.16.1.4 Table 5.16-1 Table 5.16-2 Table 5.16-3 Appendix L-1 (Confidential)	No	Information in Table 5.16-1 indicates that Reclamation District is rated a 2D2, eligible for the National Register of Historic Places. Please provide a discussion of this historic property in the text. There is no information concerning dates and the methodology of the "Reconnaissance" or the values of the properties that were considered for significance. Please provide this information. Please provide the date(s) of the architectural reconnaissance and the methodology used. Please provide the qualifications (resumes) of the architectural reconnaissance team members and of anyone evaluating cultural resources. Please include descriptions of cultural resources (buildings, structures, objects, sites, and districts) including the power lines that could be affected either directly or indirectly by the project and an evaluation of the significance of the cultural resources.
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Section 5.16.1.4 Section 5.16.2.1 Appendix L-1 (Confidential)	No	Please provide records for all cultural resources (preferably on a Department of Parks and Recreation 523A form) that could be affected directly or indirectly by the project. (Note: One record indicated in Table L-1-1 was not included with the report and one was incomplete. There were no records for the Southern Pacific railway, the Natomas East Main drainage canal, the Elverta canal system, the Tule Canal, or the Vaca Valley Railroad.) The survey of the plant area is older than five years. Please provide an updated survey.
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	Section 5.16.1.5 Appendix L-2	No	Please provide a summary of contacts sent to representatives of the Native American community and any responses received.

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Cultural Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. _____ Date 02/20/01
 Technical Staff: Gary Reinoehl
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	Section 5.16.3	No	Some of the resources that were identified as within the APE of the project were discussed in the section on mitigation. Please discuss the mitigation measures that will be used for each of the cultural resources within the APE of the project and linears.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1	No	The project proposes to cross some waterways. Will a Corps of Engineers (ACOE) permit be required? If so please update Table 6.1-1. Please include applicable local LORS from the County of Sacramento and the County of Yolo and the Rio/Linda Community. Please indicate whether a California Department of Transportation (Caltrans) Permit is required and the appropriate code.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.1-1 Table 5.16-4	No	Section 5.7.6.2 indicates that a permit might be required from the Caltrans, but this is not indicated in Table 5.16-4. Please identify each agency with jurisdiction to issue applicable permits and enforce identified laws, regulations, standards, and local LORS.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.1-1	No	If federal, state or local permits are necessary for this project, please provide a discussion of the conformity of the project with these additional requirements.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.16-4	No	Table 5.16-4 does not include permits may be required by the ACOE or Caltrans. Please provide the name, title, phone number, if known of an official any federal or state agency responsible for permits required for the project.

Adequacy Issue: Adequate _____ Inadequate X

Technical Area: **Cultural Resources**

Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project

Docket: 01-AFC-1

Revision No. _____ Date 02/20/01

Technical Staff: Gary Reinoehl

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.16.8	No	No schedule or steps taken or plans to obtain permits were provided. Please update this section.

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Facility Design**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 13, 2001
 Technical Staff: Bob Anderson/S. Baker
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	§ 5.4.1.2	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	§ 5.4.1.1; Figure 3.5-1	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	§ 5.4.2.2; Figure 3.5-1; Appendix A; §§ 3.3.6, 3.3.7	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Soil and Water Resources section		
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	§ 5.4.2.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 1.7, 1.8.5, 3.5.1, 3.5.2, 3.5.3, 3.5.4, 3.5.6, 3.5.7, 3.5.8, 3.7.2, 3.11, 4.1.1; Appendices A, B, C, D, E, F, G	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Facility Design**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 13, 2001
 Technical Staff: Bob Anderson/S. Baker
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 6.1-1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 6.1-1	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	Appendix G	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§§ 1.7, 1.8.5, 3.3; Figure 3.5-1; §§ 3.5, 3.7.2, 3.11.4.1.1; Appendices A, B, G	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	§ 3.5; Appendices A, G	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	—	—	
Appendix B (i) (1) (D) (i)	The power generation system;	§ 3.5; Appendices A, B	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	§ 3.5; Appendices A, B	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	§ 3.5; Appendices A, B	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Facility Design**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 13, 2001
 Technical Staff: Bob Anderson/S. Baker
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	§ 3.5; Appendices A, B	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	§ 3.5; Appendices A, B	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	N/A	N/A	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	§ 3.5; Appendices A, B	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	—	—	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 02/08/01

Technical Area: **Geological Hazards**

Project: Rio Linda/Elverta Power Project

Technical Staff: Robert Anderson

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.5-7 through 5.5-9 Sections 5.5.1.5 through 5.5.1.7 Pages 5.5-9 and 10, Section 5.5.2 through 5.5.5	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Pages 5.5-1 through 5.5-9, Sections 5.5.1 through 5.5.1.7	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Figure 5.5-1, Page 5.5-2 Table 5.5-1, Page 5.5-3 Pages 5.5-4 through 5.5-9, Section 5.5.1.2 through 5.5.1.7	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Figure 5.5-1, Page 5.5-2	No	Please provide a description of the techniques used to determine the lack of geological resources in the vicinity of the project.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1 Page 5.5-9 through 5.5-10, Sections 5.5.2.1 through 5.5.3 Appendix A Pages A-5 through A-9, Section 3.3.2 through 3.3.7	Yes	

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 02/08/01

Technical Area: Geological Hazards

Project: Rio Linda/Elverta Power Project

Technical Staff: Robert Anderson

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.5-3 Table 5.5-4 Table 6.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 5.5-9 and 5.5-10, Section 5.5.3 Table 6.1-1	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.5-3	Yes	

Adequacy Issue: Adequate ☒ InadequateTechnical Area: **Hazardous Materials Handling**

Project Manager: L. Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda / Elverta Power Project

Docket: 01-AFC-1

Revision No. 0 Date 2/23/01

Technical Staff: R. Tyler

Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.12	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Section 5.12.2.2, Table 5.12-1	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 5.15-2	yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 5.12	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 5.12.2.2	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.12.3.2	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 5.12.3	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Hazardous Materials Handling**
 Project Manager: L. Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda / Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date 2/23/01
 Technical Staff: R. Tyler
 Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.12.2.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.12.6	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.12-2	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.12.6	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.12-2	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	No permits are required

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Land Use**
 Project Manager: **Lance Shaw**

DATA ADEQUACY WORKSHEET

Project: **Rio Linda/Elverta Power Project**
 Docket: **01-AFC-01**

Revision No. _____ Date **February 9, 2001**
 Technical Staff: **Mark R. Hamblin**
 Technical Senior: **Eileen Allen**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 5.7-10 – 13, Section 5.7.1.4 – 5.7.5.	YES	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Page 5.7-5, Section 5.7.1.1. Page 5.7-12, Section 5.7.2.2. Figure 5.7-1A, 1B, 1C, 1D, 1E. Figure 5.7-2A, 2B, 2C, 2D, 2E. Figure 5.7-3A, 3B, 3C, 3D, 3E. Page 5.7-8, Section 5.7.1.3.	YES	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Figure 5.7-3A, 3B, 3C, 3D, 3E. Table 5.7-3 Page 5.7-10 – 5.7-12, Section 5.7.2.1 – 5.7.2.2. Table 5.16-1, 2, 3. Appendix L-1 (Confidential).	YES	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Page 5.7-8, Section 5.7-1.3. Page 5.7-14, Section 5.7.6.3.	YES	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	Page 5.7-14, Section 5.7.6.3.	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Land Use
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. _____ Date February 9, 2001
 Technical Staff: Mark R. Hamblin
 Technical Senior: Eileen Allen

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-01

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figure 5.7-1A, 1B, 1C, 1D, 1E. Figure 5.7-2A, 2B, 2C, 2D, 2E. Figure 5.7-3A, 3B, 3C, 3D, 3E.	YES	
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Page 5.7-10 – 5.7-16, Section 5.7.2.1 – 5.7.7.7.	YES	
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Figure 5.7-2A, 2B, 2C, 2D, 2E. Table 5.6-2	YES	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Figure 5.3-2A, 2C, 2D, 2E. Page 5.3-14, 19, 20, Section 5.3.3.1 – 5.3.3.2.	YES	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Page 5.6-2, Section 5.6.1.2	YES	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	Page 5.6-8 – 5.6-12, Section 5.6.2.1 – 5.6.3	YES	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Page 5.6-8 - 5.6.12, Section 5.6.2.1 – 5.6.3	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Land Use
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-01

Revision No. _____ Date February 9, 2001
 Technical Staff: Mark R. Hamblin
 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1 (6.5.7 Land Use)	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.1-1 Table 5.7-4 Table 5.6.3	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.1-1 Page 5.7-13 – 16, Section 5.7.6 – 5.7.7.	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.7-4,	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.7-5	YES	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Noise
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 0 Date February 13, 2001
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.4, 1.7, 1.8.9, 3.4.3.1, 3.4.3.4, 3.7.1; Chapter 5.9; Table 6.1-1	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Figure 5.9-1	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L_{eq} (equivalent sound or noise level), L_{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L_{10} , L_{50} , and L_{90} values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	§§ 5.9.1, 5.9.1.1, 5.9.1.2	No	Provide a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the ambient noise level measurements.
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	§§ 5.9.2.1, 5.9.2.2	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Noise
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 0 Date February 13, 2001
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	§ 5.9.2-1; Table 5.9-3; § 5.9.2.2; Tables 5.9-4, 5.9-5, 5.9-6	Yes	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	§§ 1.7, 5.9.2.1; Table 5.9-2; §§ 5.9.6.1, 5.9.6.2	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	§ 4.2.2; Table 5.9-5	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	§ 5.9.6; Table 6.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 5.9-7, 6.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 1.8.9, 3.4.3.1, 5.9.2.1, 5.9.2.2; Table 5.9-6; §§ 5.9.6.1, 5.9.6.2, 5.9.6.4	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Noise
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 0 Date February 13, 2001
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	§ 5.9.7; Table 6.1-1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§ 5.9.8; Table 6.1-1	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Paleontological Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-01

Revision No. 0 Date 02/16/01
 Technical Staff: Robert Anderson
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.17-1 through 4, Sections 5.17.1 through 5.17.5	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Page 5.5-1, Section 5.5.1.1 Page 5.17-1, Section 5.17.1	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Page 5.17-2, Section 5.17.1	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Pages 5.17-1 through 5.17-1, Sections 5.17 through 5.17.1	Yes	

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 02/16/01

Technical Area: Paleontological Resources

Project: Rio Linda/Elverta Power Project

Technical Staff: Robert Anderson

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Page 5.17-3, Section 5.17.2.1	No	Please provide a project specific geologic map (the project paleontological resources location map) at a scale of 1:24000 showing the location of known paleontological resources within one mile of the project site and 100 feet of the center line of the utility corridors. If no paleontological resources are known within the above area, then state so on a copy of the project geologic map. The map is to be submitted to the CEC under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Page 5.17-3, Section 5.17.3.1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 5.16-19 Section 5.16.6.1 and Section 5.16.6.4 Table 6.1-1, Page 13	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Paleontological Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-01

Revision No. 0 Date 02/16/01
 Technical Staff: Robert Anderson
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Not Applicable (N/A)	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.1-1, Page 13	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Efficiency**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 13, 2001
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.3, 1.5.2, 1.5.4, 1.5.5, 1.6, 2.1, 2.2, 3.1, 3.4.2, 3.4.3.1, 3.4.3.2, 3.4.3.4, 3.4.5, 3.8, 3.10.6, 4.3.2, 4.3.3	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Tables 3.4-1, 3.4-2; Figure 3.4-4	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§ 3.4.5	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§§ 1.6, 3.4.2, 3.8	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 1.6, 3.4.2, 3.8	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§ 3.10.6	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Efficiency**
 Project Manager: **Lance Shaw**

DATA ADEQUACY WORKSHEET

Project: **Rio Linda/Elverta Power Project**
 Docket: **01-AFC-1**

Revision No. **0** Date **February 13, 2001**
 Technical Staff: **Steve Baker**
 Technical Senior: **Steve Baker**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Reliability
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 13, 2001
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.3, 1.5.2, 1.5.4, 1.5.5, 1.5.6, 1.5.7, 1.6, 2.1, 2.2, 3.1, 3.3, 3.4.2, 3.4.3.1, 3.4.3.2, 3.4.3.4, 3.4.4.3, 3.4.4.5, 3.4.5, 3.4.9.2, 3.4.11.3, 3.4.11.6, 3.4.11.7, 3.7.2, 3.8, 3.9.2, 4.1, 4.1.1, 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.4.1.1, 4.4.1.2; Appendices F, M	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.1, 1.5.2, 1.5.5, 3.1, 3.4.5, 4.3.3	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	—	—	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 1.6, 3.4.2, 3.8, 4.3.2	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 3.4.2, 3.4.3.1, 3.4.3.2, 3.4.3.4, 3.10.6.1.3, 3.10.6.3, 3.10.6.4, 3.10.6.5, 3.10.6.6	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.5.2, 1.5.6, 1.7, 1.8.5, 3.1, 3.3, 4.1, 4.1.1, 4.3.4; Appendices A, B, G	Yes	
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 1.1, 3.4.3, 3.4.11.3, 4.3.2, 4.3.5, 4.4.1.2; Appendix F	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Reliability
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 13, 2001
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	Not found	No	Describe the period required for the newly constructed power plant to mature into a reliable facility.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Project Overview
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project (RLEPP)
 Docket: 01-AFC-1

Revision No. 0 Date 1 March 2001
 Technical Staff: Lance Shaw
 Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Entire AFC	No	Please supply wells and linear facilities' assumptions required to meet water-supply needs.
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Entire AFC	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Section 3	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Entire AFC	No	Please supply wells and linear facilities' assumptions required to meet water-supply needs.
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Entire AFC	Yes	
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Sections 3 and 5.10	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Project Overview
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 1 March 2001
 Technical Staff: Lance Shaw
 Technical Senior: Paul Richins

Project: Rio Linda/Elverta Power Project (RLEPP)
 Docket: 01-AFC-1

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix N, e-mailed supplemental list, not yet filed as an AFC supplement.	No	Please provide list of additional current assessor's parcel numbers, owners' names and addresses associated with linear facilities not yet identified (new wells, and associated piping).
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Sections 1 and 3.	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.		N/A	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Entire AFC	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Entire AFC	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Entire AFC	No	Please define all water supply wells and linear facilities required for this project.
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Entire AFC	No	Please define all water supply wells and linear facilities required for this project.
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Entire AFC	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Project Overview
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project (RLEPP)
 Docket: 01-AFC-1

Revision No. 0 Date 1 March 2001
 Technical Staff: Lance Shaw
 Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	Entire AFC	No	Please supply wells and linear facilities' assumptions required to meet water-supply needs.
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	Entire AFC	No	Please provide a full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to and after construction. This includes the 800 foot lines near the plant and the Hedge-Proctor line to be reconducted.
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.		N/A	Not Applicable
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		N/A	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		N/A	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 3.9	Yes	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No.

Date Feb 13, 01

Technical Area: **Public Health**

Project: Rio Linda/Elverta Power Plant

Technical Staff: Obed Odoemelam

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.15, pages 5.15-1 through 5.15-15. Section 5.15, page 5.15-15	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Section 5.15, pages 5.15-7 and 5.15-8	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Section 5.15, page 5.15-6 through 5.15-14	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Section 5.15, page 5.15-2	Yes	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Section 5.15, page 5.15-3	Yes	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No.

Date Feb 13, 01

Technical Area: Public Health

Project: Rio Linda/Elverta Power Plant

Technical Staff: Obed Odoemelam

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.15, pages 5.15. Section 6.0, pages 3 through 5	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.15, pages 15.15-15 and 3 through 5.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5-15, pages 5.15 and 5.16	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.15, page 5.15-15	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Socioeconomics
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 2/6/01
 Technical Staff: Amanda Stennick
 Technical Senior: Dale Edwards

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.8	Yes	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	See below		
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Section 5.8.1.1	No	Please provide a list of the applicable local agencies in Sacramento County with taxing powers and their most recent and projected revenues.
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Sections 5.8.1.2; 5.8.3 Table 5.8-3	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Section 5.8.1.1	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Not Given	No	Please provide a table indicating the availability of skilled labor by craft in the Sacramento region.
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Section 5.8.1.3	Yes	
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	Section 5.8.1.4	Yes	

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 2/6/01

Technical Area: Socioeconomics

Project: Rio Linda/Elverta Power Project

Technical Staff: Amanda Stennick

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	See below		
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Table 3.7-1 Figure 3.7-2	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Section 5.8.2.1	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Section 5.8.2.1	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Sections 5.8.2.1; 5.8.2.2	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Sections 5.8.2.1; 5.8.2.2	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Not Given	No	Please provide an estimate of the applicable school impact fees.
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Sections 5.8.2.1; 5.8.2.2	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Section 5.8.2.2	No	Page 5.8-9 of the AFC states, "The sales tax to be paid by RLEPP on estimated local purchases of approximately \$0.5 million per year would be distributed as shown in Table 5.8-2." The AFC does not give an estimate of the expenditures for locally purchased materials for construction and operation phases of the project; please provide.

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 2/6/01

Technical Area: Socioeconomics

Project: Rio Linda/Elverta Power Project

Technical Staff: Amanda Stennick

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Section 5.8.2.2 Tables 5.8-1; 5.8-2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sections 5.8.7 through 5.8.9.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Not Applicable		
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Not Applicable		
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.8-4	Yes	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not Applicable		

Adequacy Issue: Adequate _____ Inadequate **x**
 Technical Area: **Soils**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date 2/20/01
 Technical Staff: Lorraine White
 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Figure 3.5-2 Section 3.5.8, p. 3-42 Section 5.6, p. 5.6-1 to 5.6.16	No	Please provide information on the amount of cut and fill required, if imported soils are required, what the source of the soil will be, and what is to be done with soils unsuitable for use in compaction at the site.
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Figure 5.6-1, Figure 5.7-3 Table 5.6-1 Section 5.6.1, p. 5.6-1 to 5.6-8	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Table 5.6-1 Section 5.6.1.3, p. 5.6-2 to 5.6-8	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Section 3.5.7 Section 5.5.3 Section 5.6.1.3 Section 5.6.2.2 Table 5.5-1	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	Section 5.6.1.2 Section 5.6.2.1 Section 5.7.2		
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Section 5.6.2.1 Table 5.6-2	N/A	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Section 5.2.4.5, p. 5.2-64 & 65; Table 5.2-35 Section 5.3.4.3, p. 5.3-35 & 36	Yes	

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Soils
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date 2/20/01
 Technical Staff: Lorraine White
 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1, p. 8 to 9	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.1-1, p. 8 to 9 Table 5.6-3, p. 5.6-15	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.6.6, p. 5.6-13 to 5.6-15	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.6-3	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.6-4	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Traffic and Transportation
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date 02/20/01
 Technical Staff: James Fore
 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 3.2 and 3.3 pages 3-1 through 3.4 Sections 5.11.1, 5.11.2, 5.11.3 and 5.11.4 pages 5.11-41 through 5.11-17	Yes	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Section 5.11.1.1 pages 5.11-1 through 5.11-3	No	Provide a regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities <u>including the Sacramento International Airport.</u>
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Section 5.11.1.1 pages 5.11-1 through 5.11-7	No	Provide a map scale 1:24,000 of rail lines in the project area affected by or serving the proposed facility. <u>Adding rail lines to the map, Figure 5.7-3 will satisfy this requirement.</u>
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Table 5.11-3 page 5.11-10	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Table 5.11-3 page 5.11-10	Yes	
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Section 5.11.2.1 Pages 5.11-11 through 5.11-5.11-14 Table 5.11-5	Yes	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Section 5.11.2.1 pages 5.11-11 through 5.11-14	No	Indicate weight and load limits for routes identified in Section 5.11.2.1
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Section 5.11.2.1 pages 5.11-11 through 5.11-14	No	<u>For the current traffic flow estimate the percentage of passenger vehicles and percentage of trucks. Estimated percentage of current traffic flows for passenger vehicles and trucks;</u>

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Traffic and Transportation
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date 02/20/01
 Technical Staff: James Fore
 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Section 5.11.2.1 pages 5.11-11 and 5.11-12	No	Identify any road features affecting public safety along the routes described in Sections 5.11.1.1 and 5.11.2.1. If no features affecting public exist please indicate.
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Section 3.5.5, page 3.41 Sections 5.11.1.1 through 5.11.1.4, pages 5.11-1 through 5.11-4	No	Describe any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000. Please indicate if any of the regional transportation agencies plan any road improvements.
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Section 5.11.2.1 and 5.11.2.2 pages 5.11-11 through 5.11-16	No	Please give the total traffic/truck mix for the roadways impacted by the facility <u>and the projects identified in subsection (g)(5)(C-). If no projects are being planned in the vicinity of the project during plant construction please indicate.</u>
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Section 5.13.2.3 pages 5.13-5 through 5.13-7	No	Estimate the number of trips for the hazardous material to be transported to and from the facility during construction and operation, the routes to be used for transporting this material, and any transportation hazards associated with such transport or routes.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sections 6.1, Table 6.1-1 pages 10 and 11	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 6.1, Table 6.1-1 pages 10 and 11	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Traffic and Transportation
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date 02/20/01
 Technical Staff: James Fore
 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sections 5.12.1 and 5.12.2 page 5.12-1 Table 5.11-8 page 5.11-19 Section 5.11.6 pages 5.11-17 through 5.11-19	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.11.7 Page 5.11-18 through 5.11-19 Table 5.11-7	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.11.8 Table 5.11-8 Page 5.11-19 and 5.11-20	Yes	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. _____

Date Feb 13, 01

Technical Area: **T-Line Safety and Nuisance.**

Project: Rio Linda/Elverta

Technical Staff: Obed Odoemelam

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	NA		
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	NA		
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	NA		

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. _____

Date Feb 13, 01

Technical Area: **T-Line Safety and Nuisance.**

Project: Rio Linda/Elverta

Technical Staff: Obed Odoemelam

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	NA		
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.6, pages 3-42 through 3-56. Appendix I	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Section 4, pages 4-4 and 4-5	Yes	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 4.0, page 4-4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 4.0, page 4-8. Section 6.0, pages 3 and 5	Yes	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. _____

Date Feb 13, 01

Technical Area: **T-Line Safety and Nuisance.**

Project: Rio Linda/Elverta

Technical Staff: Obed Odoemelam

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 6.0, pages 3 and 5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.0, pages 3 and 5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	NA		
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA		

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Transmission System Eng.
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda / Elverta Power project
 Docket: 01AFC1

Revision No. 0 Date February 14, 2001
 Technical Staff: S.F.Ghadiri
 Technical Senior: A.A. McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 3.6, p 3-42 Appendix I, p 3	yes	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		N.A.	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 3.6, p 3-42 to 3-56 Section 3.7.3, p 3-56 Table 3.7.4, p 3-66 Appendix I	No	1) Provide a Power Flow Diagram for each contingency that had a criteria violation.
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 3.10.3, p 3-71 Section 3.6, p 3-42 to 3-56 Appendix I	Yes	

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Transmission System Eng.
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda / Elverta Power project
 Docket: 01AFC1

Revision No. 0 Date February 14, 2001
 Technical Staff: S.F.Ghadiri
 Technical Senior: A.A. McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.6.3.1, p 3-49 Section 3.6.3.2, p 3-49 Section 3.6.3.2.1, p 3-49 Section 3.6.3.4, p 3-56 Appendix I	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.			
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		See Obed	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		See Obed	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		See Obed	

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Transmission System Eng.
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda / Elverta Power project
 Docket: 01AFC1

Revision No. 0 Date February 14, 2001
 Technical Staff: S.F.Ghadiri
 Technical Senior: A.A. McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		See Obed	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		See Obed	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		See Obed	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Visual Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 26, 2001
 Technical Staff: Eric Knight
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 5.10-2; Section 5.10.1.2.1 Pages 5.10-14 – 5.10-20; Section 5.10.2 Page 5.10-21; Section 5.10.5 Page 5.10-20; Section 5.10.4 Page 1-9; Section 1.8.10	NO	<p>The Visual Resources Section of the AFC states that because the project's interconnection line is short (only 800 feet in length), no new transmission towers will be required between the project switchyard and Elverta-Hurley 230kV line (page 5.10-14). However, according to Section 3.0 of the AFC (pages 3-45 and 3-66), the interconnection line will require 6 transmission towers 120-150 feet tall. Please discuss the visual impacts of these new towers.</p> <p>The Visual Resources Section of the AFC does not discuss the visual effects of the proposed 20.1-mile long gas pipeline due to ground disturbance. Please discuss the visual effects of ground disturbance from construction of the gas pipeline.</p> <p>The Visual Resources Section of the AFC does not discuss the potential visual impacts of the proposed reconductor/rebuild of SMUD's Hedge-Proctor 230kV transmission line which will be required as a result of the project's electrical generation. According to the AFC (page 3-66), approximately 45 new single shaft steel double circuit poles will be required. Please discuss the visual impacts due to the construction and operation of the reconducted/rebuilt Hedge-Proctor line.</p>
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Page 5.10-1; Section 5.10.1	YES	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figure 5.10-1	YES	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Visual Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 26, 2001
 Technical Staff: Eric Knight
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Pages 5.10-1 – 5.10-2; Sections 5.10.1.1 – 5.10.1.2.1	YES	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Pages 5.10-1 – 5.10-4; Sections 5.10.1.1 and 5.10.1.3	YES	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pages 5.10-5 – 5.10-9; Sections 5.10.1.4.1 – 5.10.1.4.6	YES	
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pages 5.10-5 – 5.10-9; Sections 5.10.1.4.1 – 5.10.1.4.6	NO	Please provide the estimated number of recreationists using the equestrian center on Sorrento Road. Please provide the estimated number of residences that would have views of the project from the view areas represented by KOPs 5 and 6.
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Table 5.10-2 Page 5.10-12; Section 5.10.2.3.1	YES	
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 5.10-2a – 5.10-7b	YES	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pages 5.10-16 – 5.10-17; Sections 5.10.2.4.7 – 5.10.2.4.8 Pages 5.10-17 – 5.10-20; Section 5.10.3	YES	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Visual Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 26, 2001
 Technical Staff: Eric Knight
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1; Section 6.5.10	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 5.10.3 and 6.1-1	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 5.10-21 – 5.10-22; Section 5.10.6.2	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.10-3	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Waste Management**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 7, 2001
 Technical Staff: Mike Ringer
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	sec. 5.13.2.1 sec. 5.13.2.3	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	sec. 3.9.2	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	sec. 5.13.2.1 sec. 5.13.2.3 sec. 5.13.3 sec. 5.13.5	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix H	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Waste Management
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 7, 2001
 Technical Staff: Mike Ringer
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	sec. 5.13.2.1 sec. 5.13.2.3	YES	
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	sec. 5.13.1.1 sec. 5.13.1.2	YES	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	sec. 5.13.2.1 sec. 5.13.2.3	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	table 6.1-1	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Waste Management**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date February 7, 2001
 Technical Staff: Mike Ringer
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	table 6.1-1	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	sec. 5.13.2.1 sec. 5.13.2.3 table 6.1-1	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	table 5.13-3	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	sec.5.13.8 table 5.13-4	YES	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Water Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: RLEPP
 Docket: 01-AFC-1

Revision No. 0 Date 2/9/01
 Technical Staff: Lorraine White
 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	<p>Section 3.0, p. 3-1 to 3-83 Figures 3.2-2; 3.3-1; 3.4-7; 3.5-1; 3.5-2</p> <p>Section 5.4, p. 5.4-1 to 5.4-13</p> <p>Section 5.13.2.2, p. 5.13-4</p> <p>Section 6.0, Table 6.1-1</p> <p>Appendices G, M, and J</p>	NO	<p>The applicant indicates that new wells and new distribution lines will be needed to serve this project. The district confirms that the applicant will be responsible for four wells and the associated distribution structures. Please provide information on the location of these new wells and the distribution line need to serve RLEPP. Include in this information all construction details and aquifer information (ie., depth of the wells, capacity, screening intervals, the aquifer these wells will draw from, transmissivity, anticipated drawdown, etc.), neighboring wells that may be affected and mitigation proposed to address any potential impacts associated with the development of this infrastructure. Please include in the assessment, private individual wells (referred to on pg. 5.4-4).</p> <p>Please provide a discussion of the use of the deeper aquifer groundwater as an alternative to the use of the shallow aquifer groundwater for cooling purposes. Describe how the current water supply proposal complies with the State Water Resources Control Board's Policy 75-58.</p> <p>Please provide a discussion that addresses other potential development in the area that, when considered in combination with the RLEPP proposal, may result in cumulative impacts to surface and groundwater resources.</p> <p>Please specify what monitoring actions, if any, may be employed by the applicant to ensure success of proposed mitigation measures.</p> <p>Please refer to additional discussions below and submit specified information.</p>

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 2/9/01

Technical Area: Water Resources

Project: RLEPP

Technical Staff: Lorraine White

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:		—	See Below.
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and		N/A	Applicant will employ a zero liquid discharge system.
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Section 3.5.7, p. 3-42 Figures 3.5-1 & 3.5-2	NO	Please describe the drainage area to be accommodated by the detention facilities and the design capacities. Include in this discussion the acreage to be paved and unpaved and the calculations used.
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:		—	See Below
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Section 5.4.1.3, p. 5.4-2 to 5.4-8	NO	Please provide hydrostratigraphic (map) information at specified scale that clearly identifies the aquifers in the area of the project (upper and lower). Include in this information an identification of relative location of the needed wells in relation to the project site, and a depiction of the existing cones of depressions as discussed starting on page 5.4-2.
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Section 5.4.1.2, p. 5.4-1 & 5.4-2 Figure 3.2-2	NO	Please provide a map that clearly shows the described surface water bodies in relationship to the plant site (Figure 3.2-2 scale is too large). Please clearly locate the artificial livestock pond on the map requested in comments on Appendix B (g) (14) (D) regarding pre-construction drainage patterns.
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.		See Geology	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:		—	See Below

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Water Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: RLEPP
 Docket: 01-AFC-1

Revision No. 0 Date 2/9/01
 Technical Staff: Lorraine White
 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Section 3.4.6, p. 3-25 to 3-28 Section 3.10.5, p. 3-76 & 3-77; Section 3.10.6.6 Section 5.4.1.3, p. 5.4-2 to 5.4-8	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Table 3.4-11, p. 3-28	Yes	
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Section 3.4.6.1, p. 3-25 Figure 3.4-7 Tables 3.4-9 & 3.4-10 Section 5.4.2.1, p. 5.4-8	NO	Please provide estimates of the maximum annual water demand and waste discharge (only average annual estimates were provided).
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Section 3.4.6, p. 3-29 to 3-31 Section 3.5.4 & 3.5.6, p. 3-41 Table 3.4-10 Figure 3.4-7	NO	Please provide information on the location of the required new wells and the distribution line for water supplies to RLEPP. Include in this all construction and design information including depth, capacity and screening intervals of the wells, and dimensions/capacity of the pipeline(s), Please provide a complete description of the zero liquid discharge system to be used at HBGS including all equipment, processes and treatments. Include in this information the expected water quality of the effluent directed to the zero discharge system.
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	P. 3-32 Figure 3.5-1 & 3.5-2 Section 5.4.1.2, p. 5.4-1	NO	Please provide a description and map of pre-construction runoff and drainage patterns. Include in this information the artificial livestock pond.
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Section 5.4.1.1, p. 5.4-1 Table 5.2-7, p. 5.2-18	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Section 3.5.7, p. 3-42 Section 5.4.2.2, p. 5.4-9 & 5.4-10 Figures 3.5-1 & 3.5-2 Appendix A, Section 3.3.6	NO	Please describe the drainage area to be accommodated by the detention facilities and the design capacities. Include in this discussion the acreage to be paved and un-paved and the calculations used for both construction and operation of the facility.

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Water Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: RLEPP
 Docket: 01-AFC-1

Revision No. 0 Date 2/9/01
 Technical Staff: Lorraine White
 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:			
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Section 5.4.2.1, p. 5.4-8 & 5.4-9	NO	Please provide a discussion of potential impacts to neighboring wells within 1.0 mile (including private wells) of the new wells that will be needed to serve the project and how these impacts were assessed.
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Section 5.4.2., p. 5.4-8 to 5.4.-10	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.		See Geology	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.4-5 & 5.4-6, p. 5.4-13 Table 6.1-1, p. 8	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.4-6, p. 5.4-13 Table 6.1-1, p. 8	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.1-1, p. 8	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.4-5, p. 5.4-13	Yes	

Adequacy Issue: Adequate _____ Inadequate X

Technical Area: **Water Resources**

Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: RLEPP

Docket: 01-AFC-1

Revision No. 0 Date 2/9/01

Technical Staff: Lorraine White

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.4.8, p. 5.4-13 Table 5.4-6	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Worker Safety**
 Project Manager: L. Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda / Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date 2/23/01
 Technical Staff: Rick Tyler
 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.14	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Table 5.14-2	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Section 3.4.5, 3.4.10	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:	Section 5.14.1 and 5.14.2	Yes	
	Construction Health and Safety Program:		Yes	
	* Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);		Yes	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);		Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)		Yes	
	Operation Health and Safety Program:		Yes	
	* Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);		Yes	
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);		Yes	
	* Emergency Action Plan (8 Cal. Code Regs., § 3220);		Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).		Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Worker Safety**
 Project Manager: L. Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda / Elverta Power Project
 Docket: 01-AFC-1

Revision No. 0 Date 2/23/01
 Technical Staff: Rick Tyler
 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.14-4, 5.14-5, 6.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.14-6	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.1-1, Section 5.14	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.14-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.14-7	Yes	